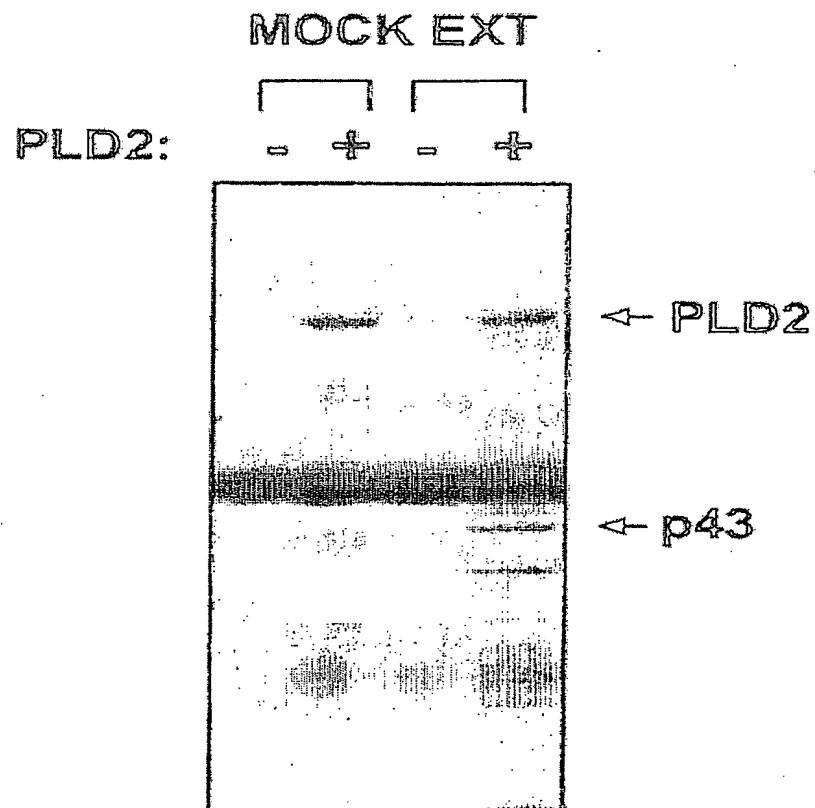


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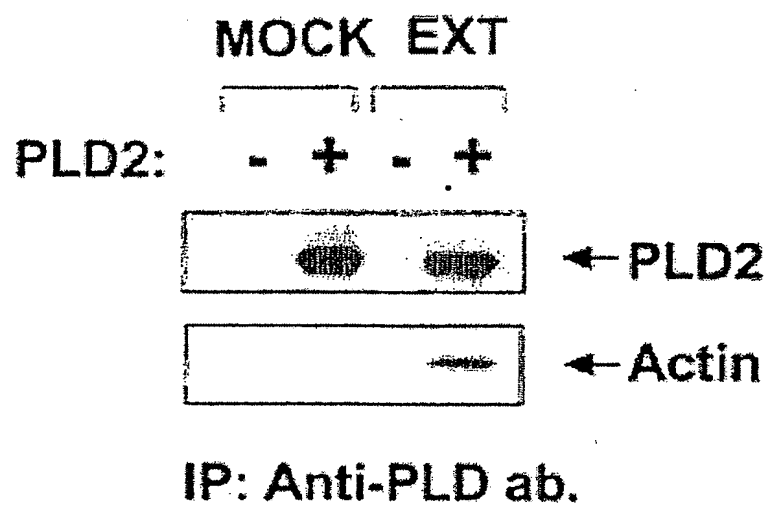
FIG. 1



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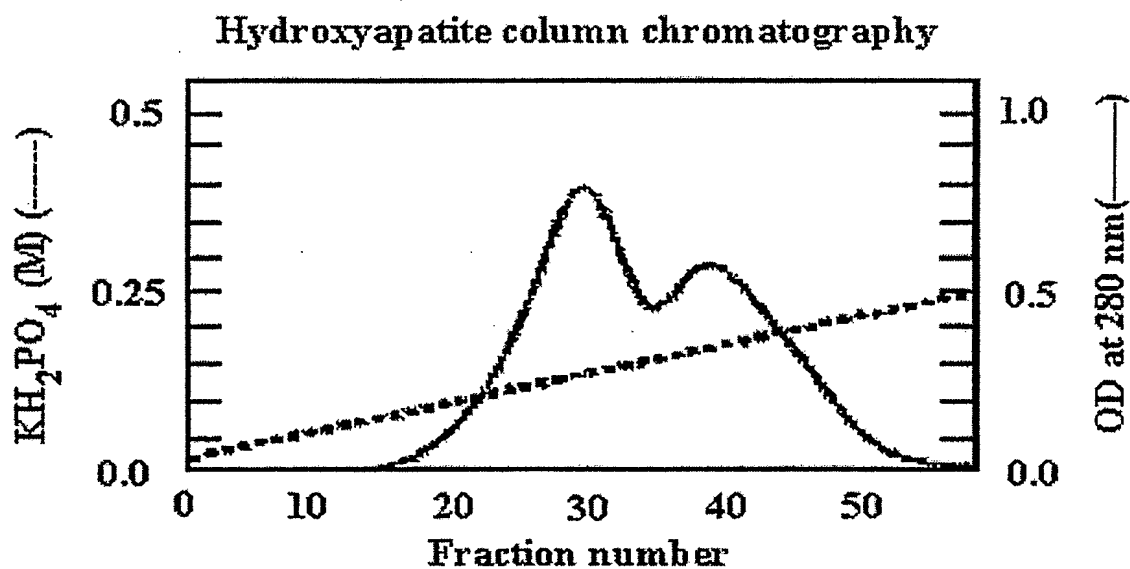
FIG. 2



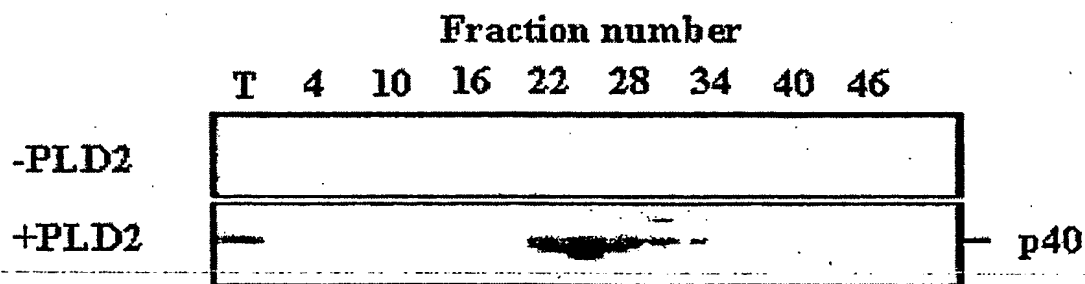
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FIG. 3A

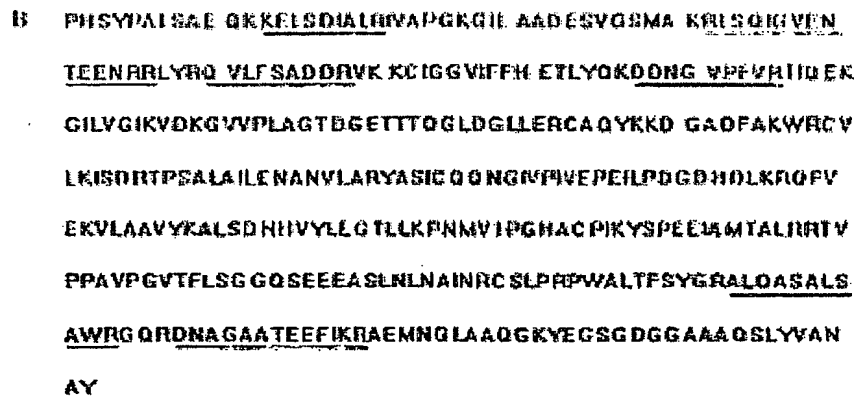
A



B



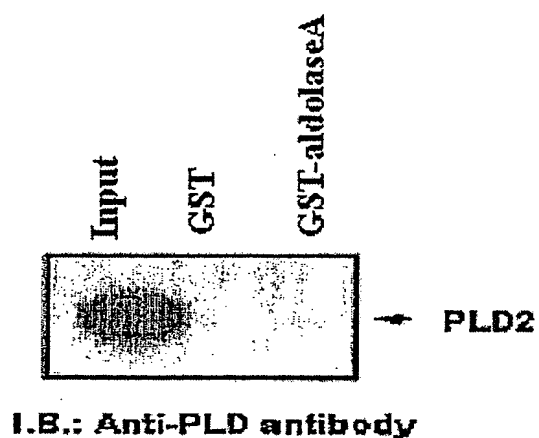
**FIG. 3B**



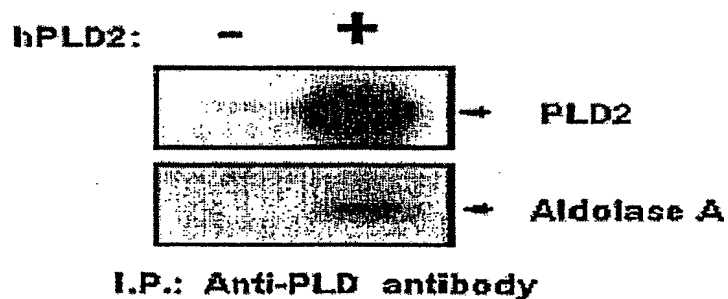
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FIG. 4

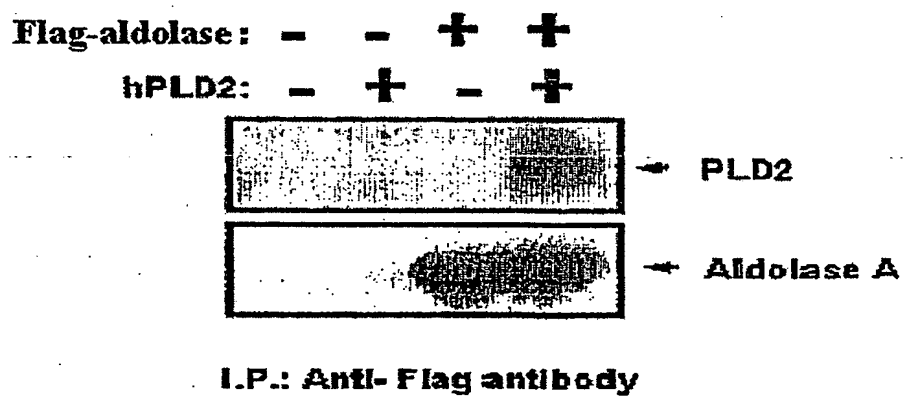
A



B

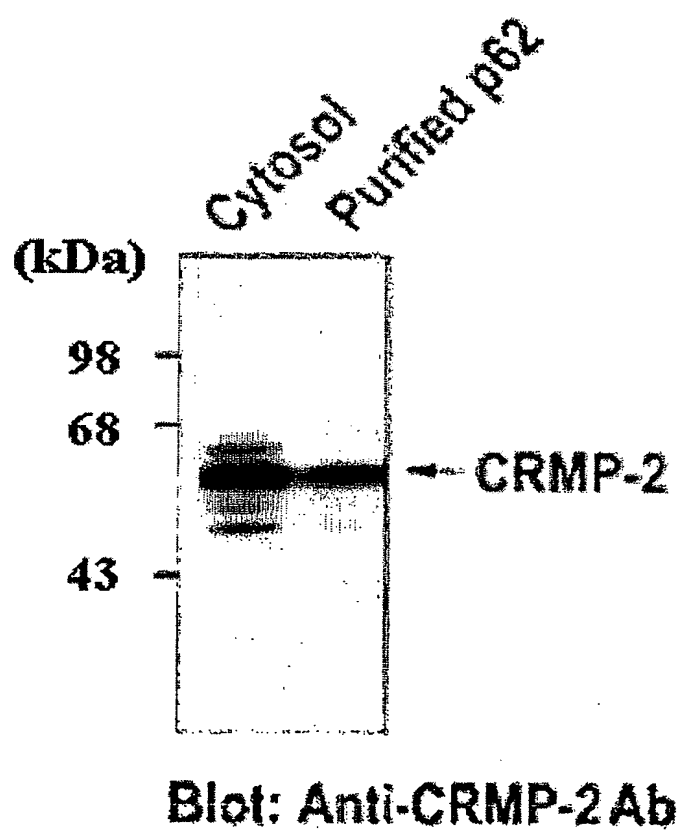


C



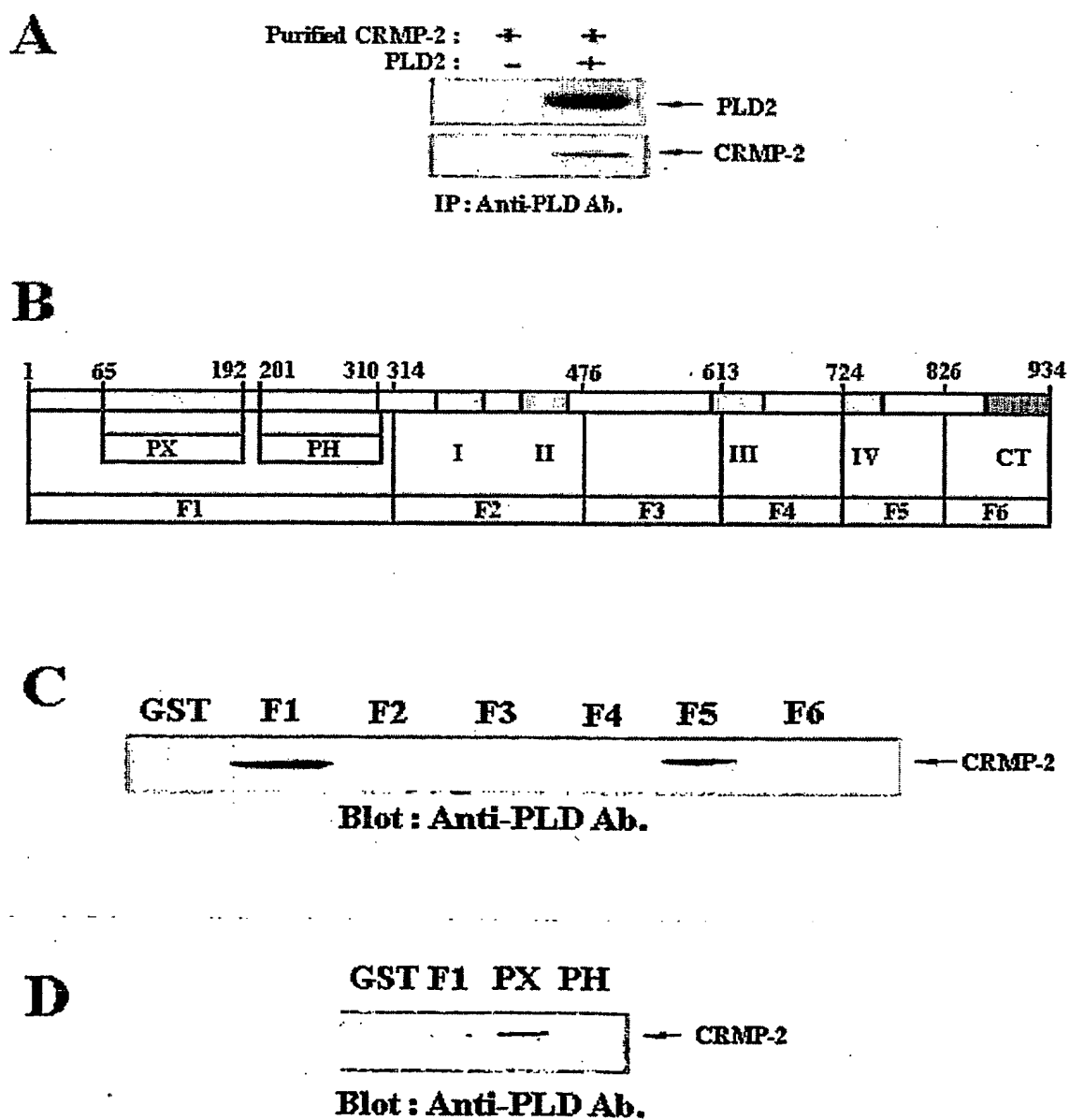
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FIG. 5



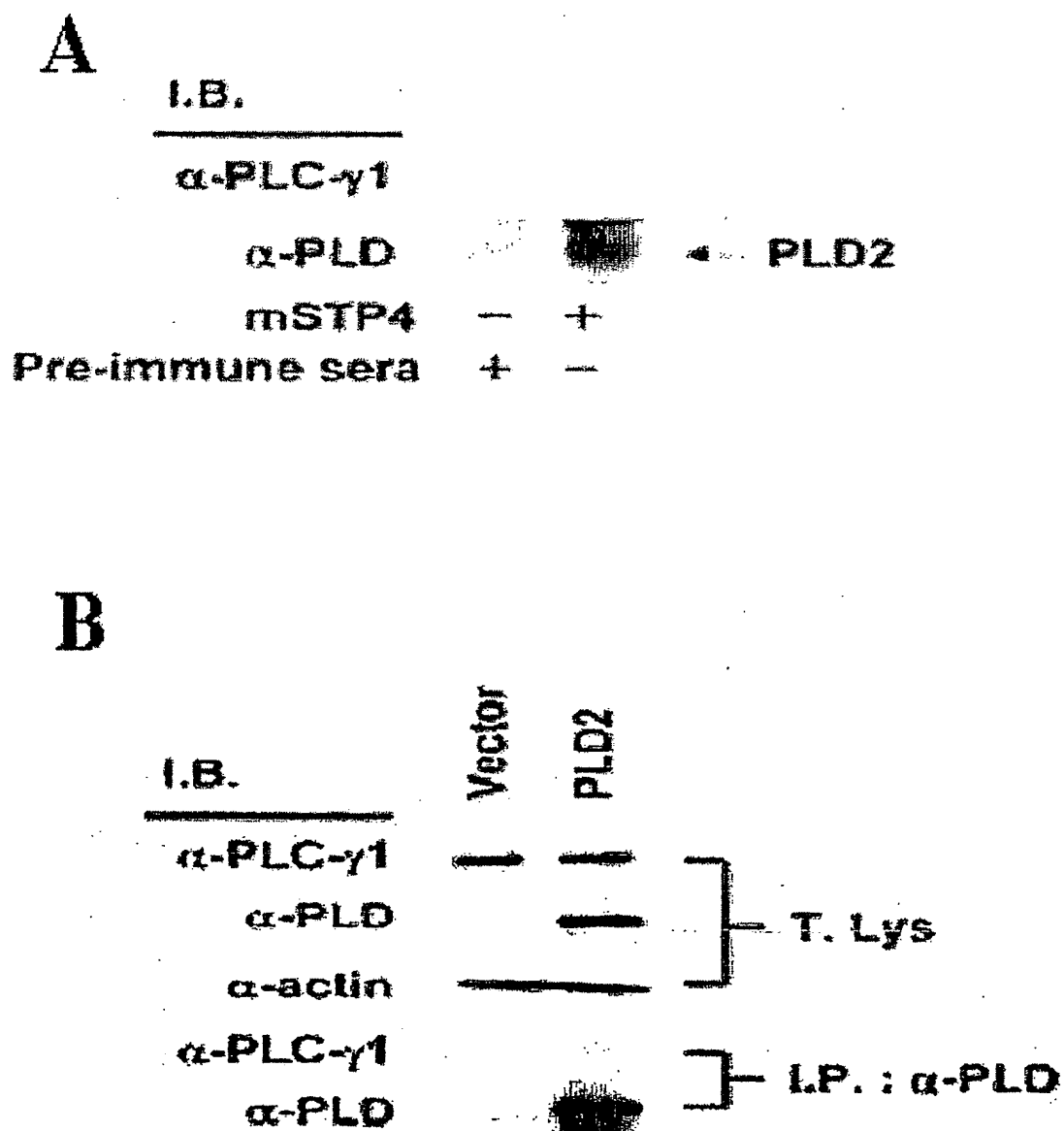
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FIG. 6



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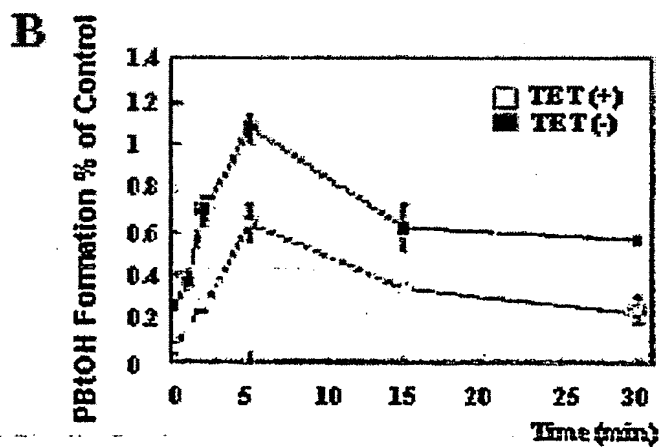
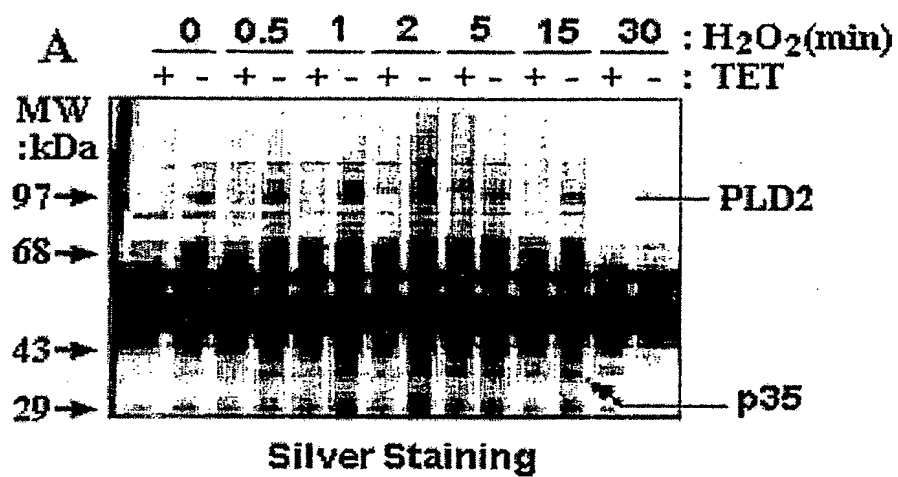
FIG. 7





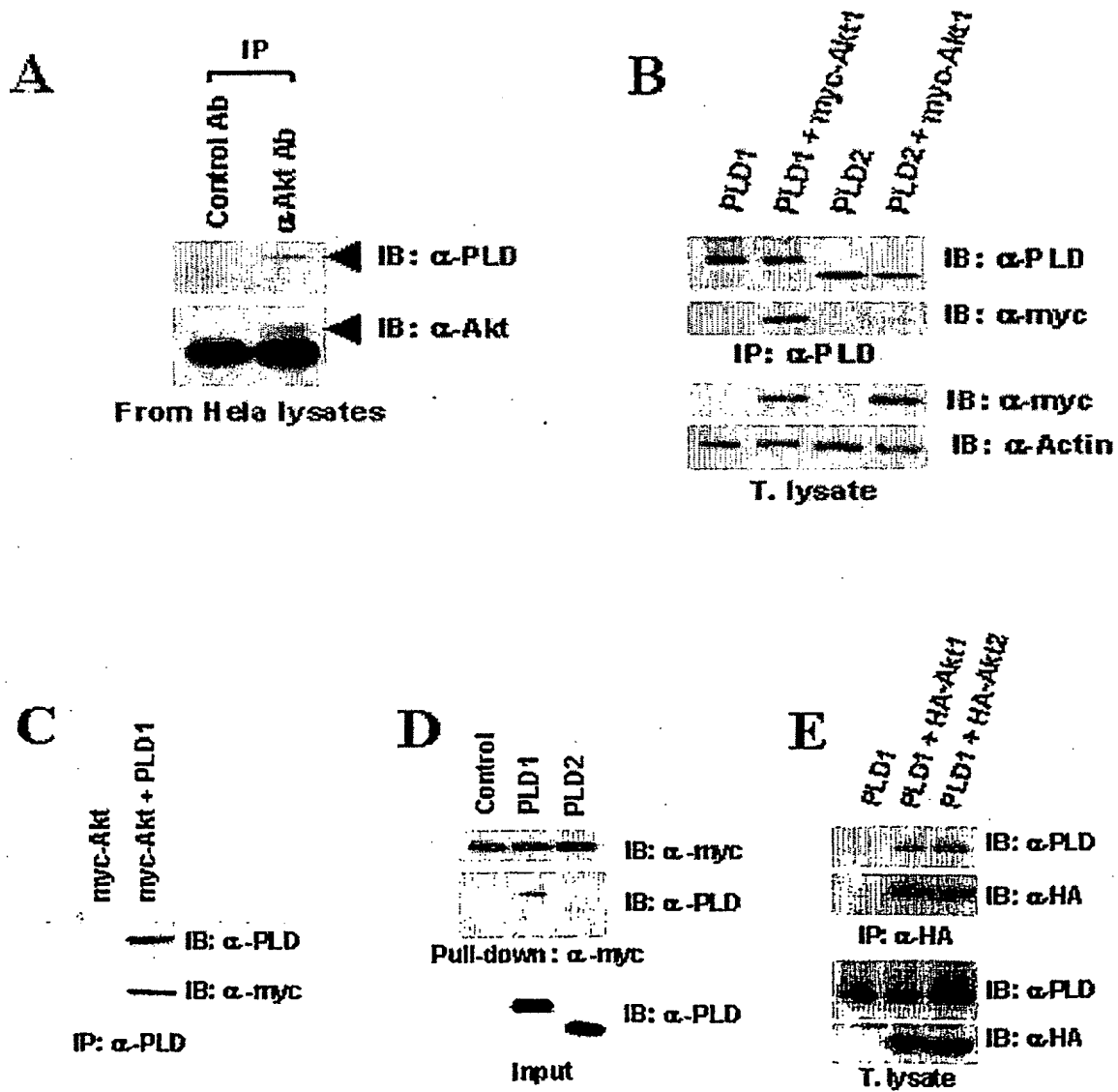
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FIG. 8



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FIG. 9



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FIG.10

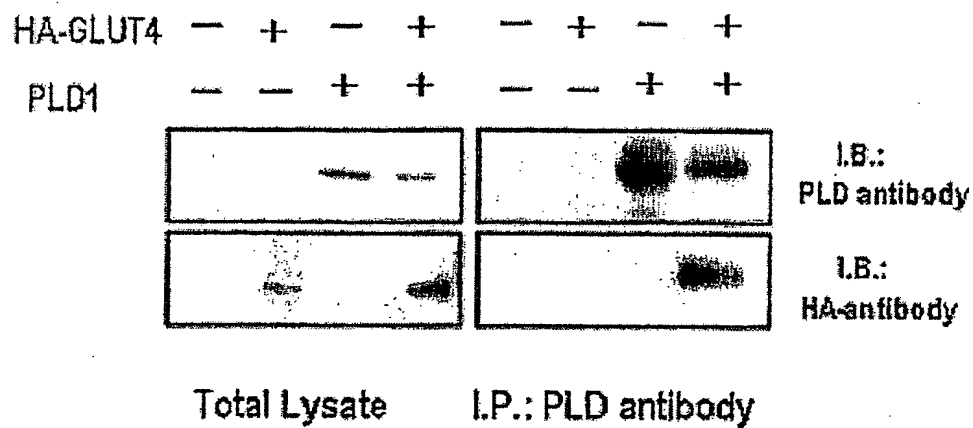
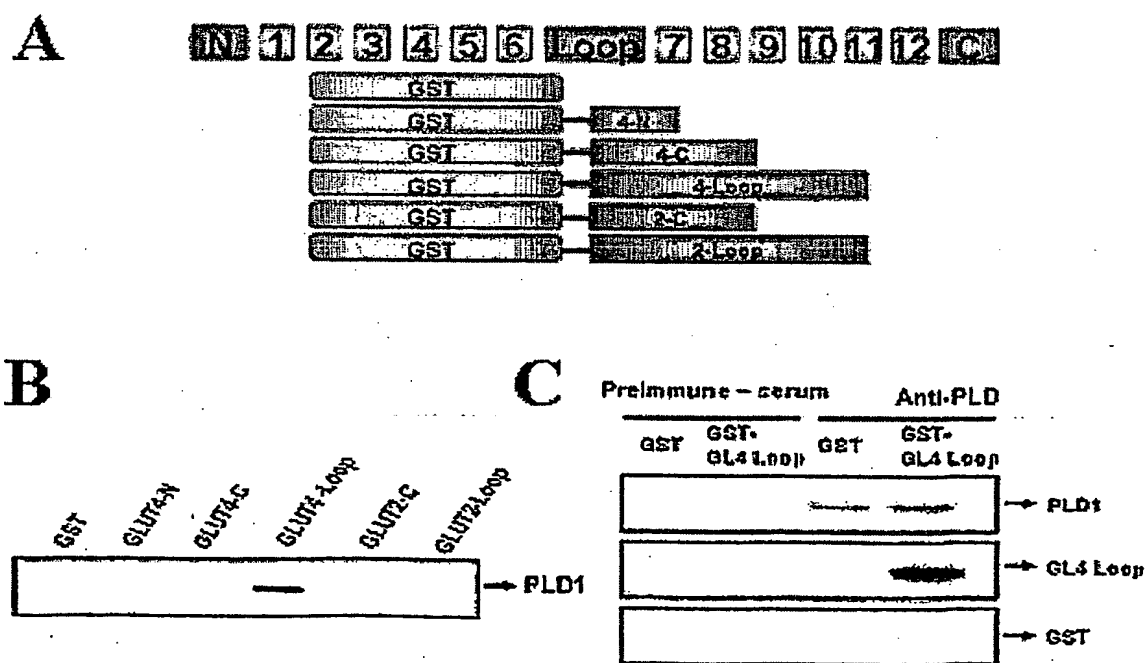
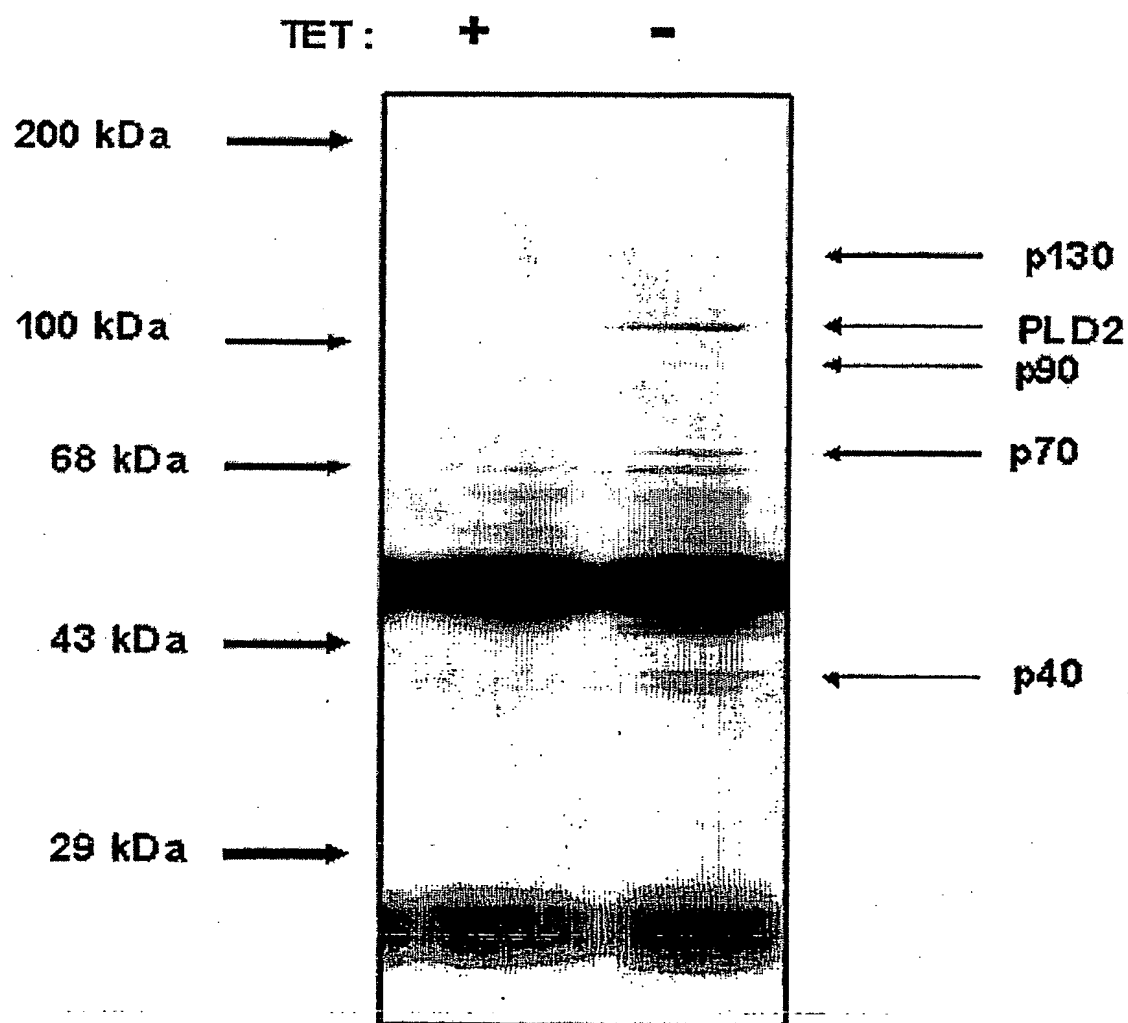


FIG.11



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FIG.12



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FIG.13

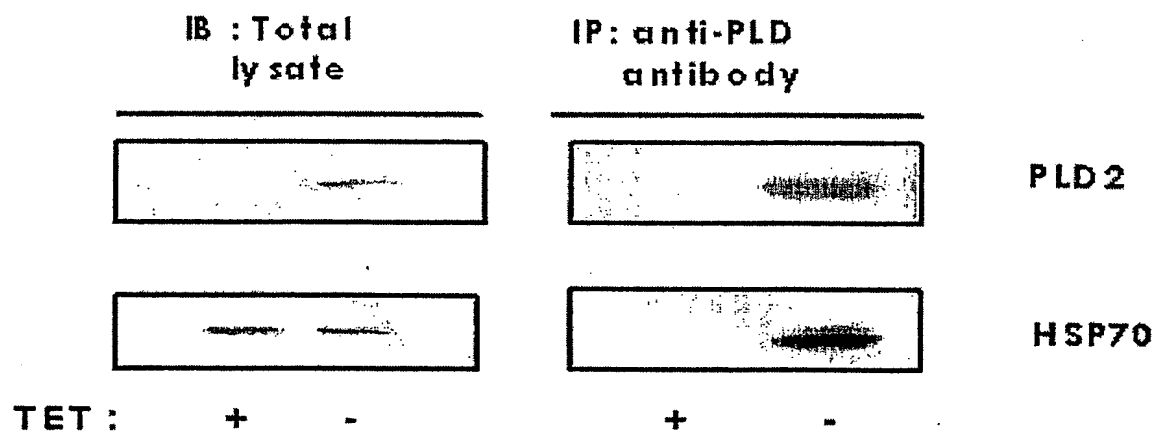
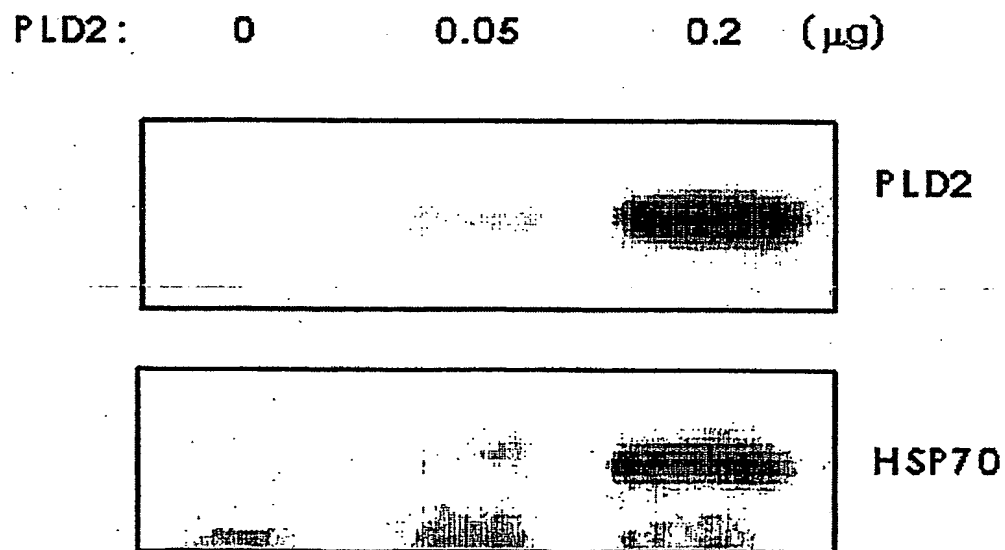
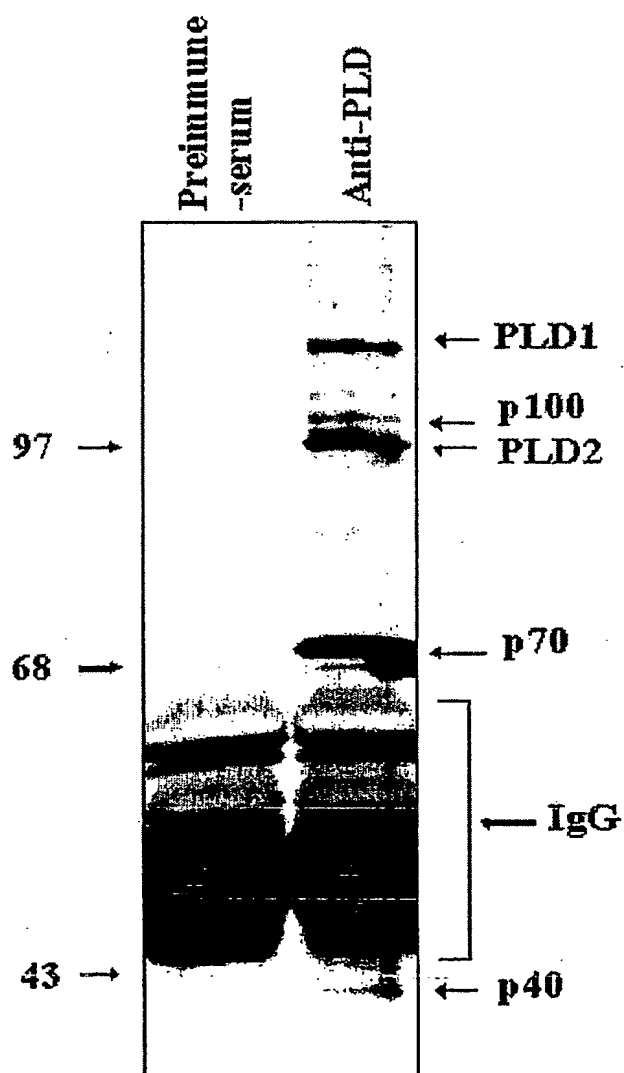


FIG. 14



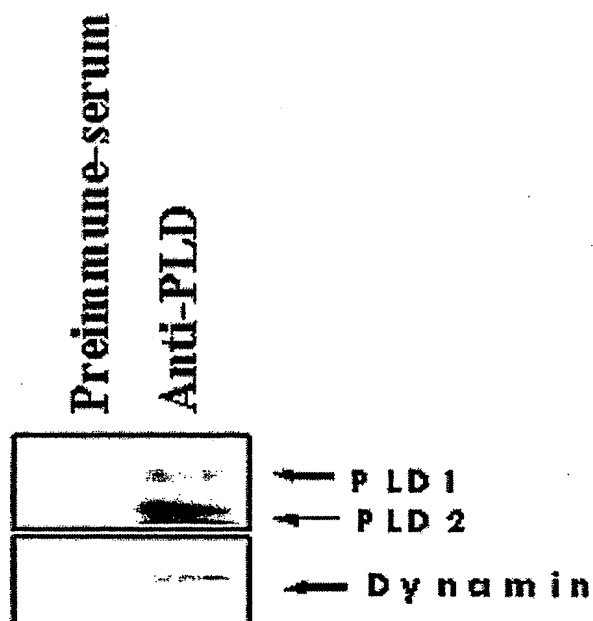
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FIG. 15A



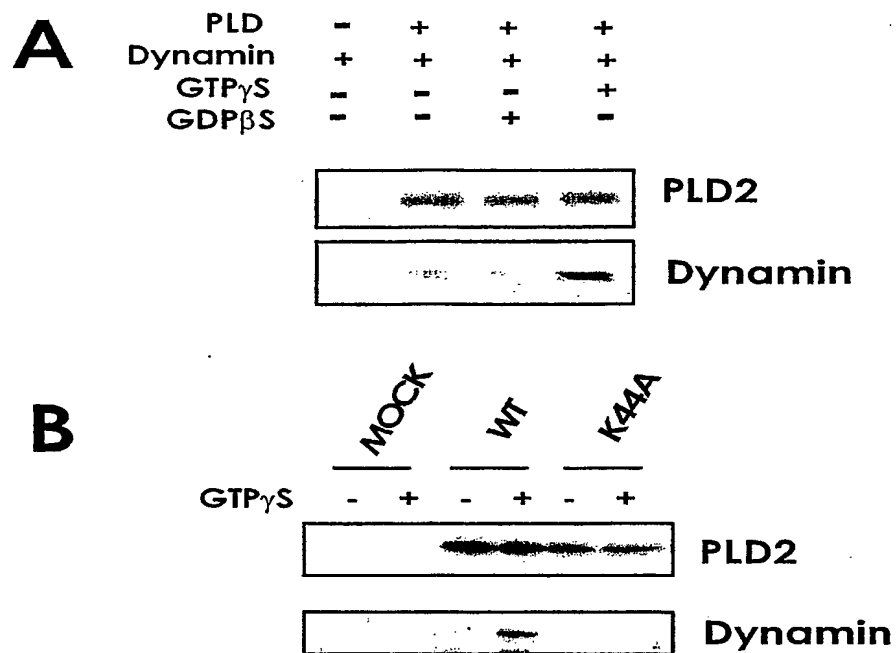
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FIG. 15B



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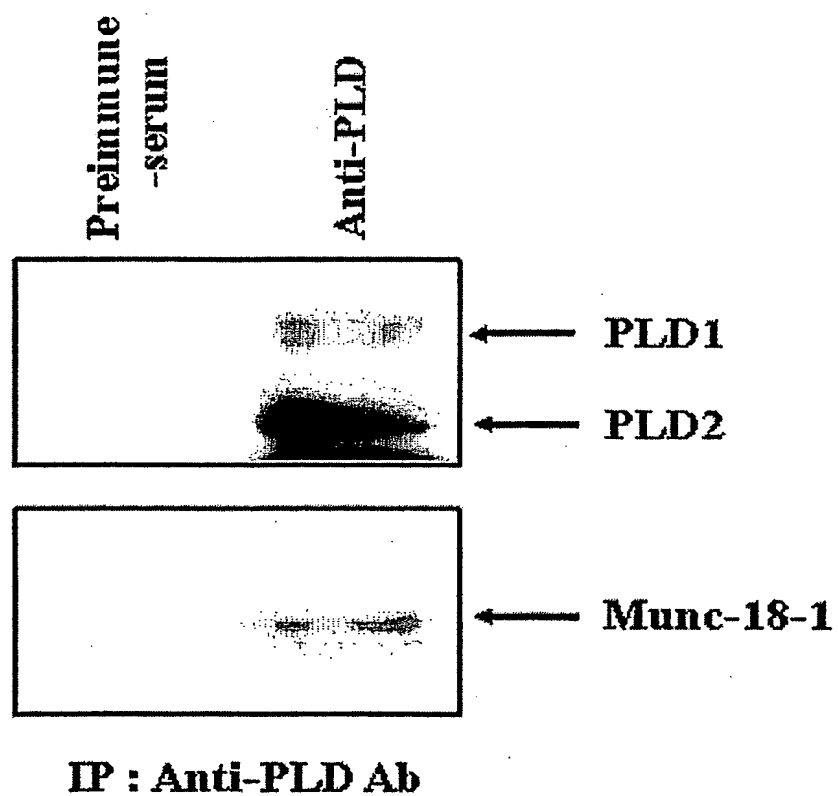
FIG. 16





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FIG. 17

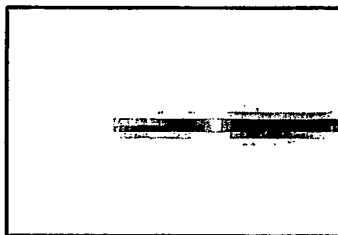


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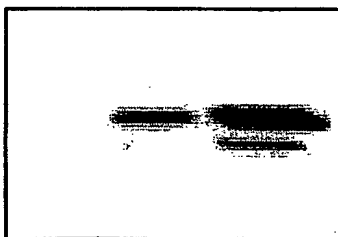
FIG. 18

Immunoblot    0    6    12 - PLD2 (nM)

PLD2



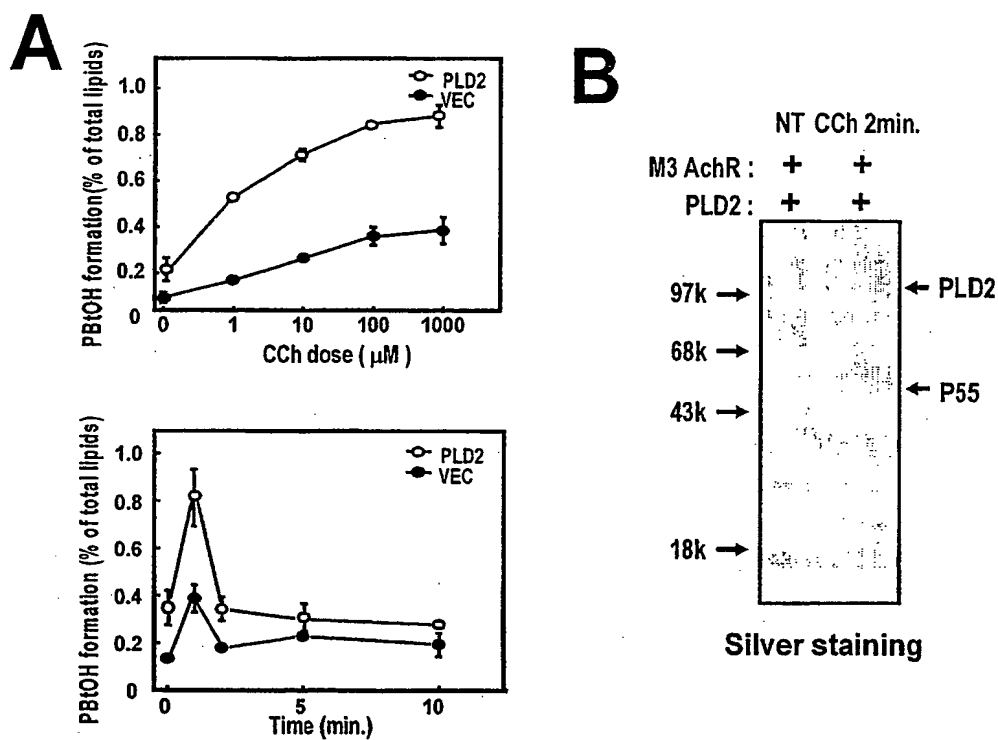
Munc-18-1



IP:Anti-PLDAb

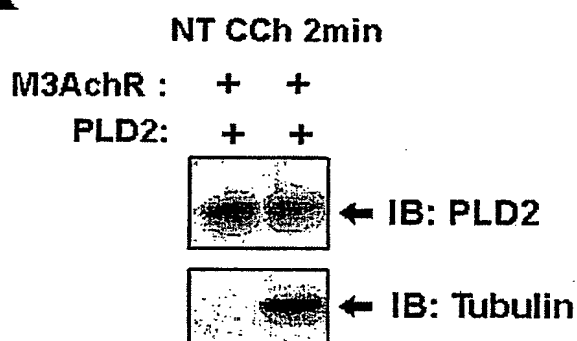
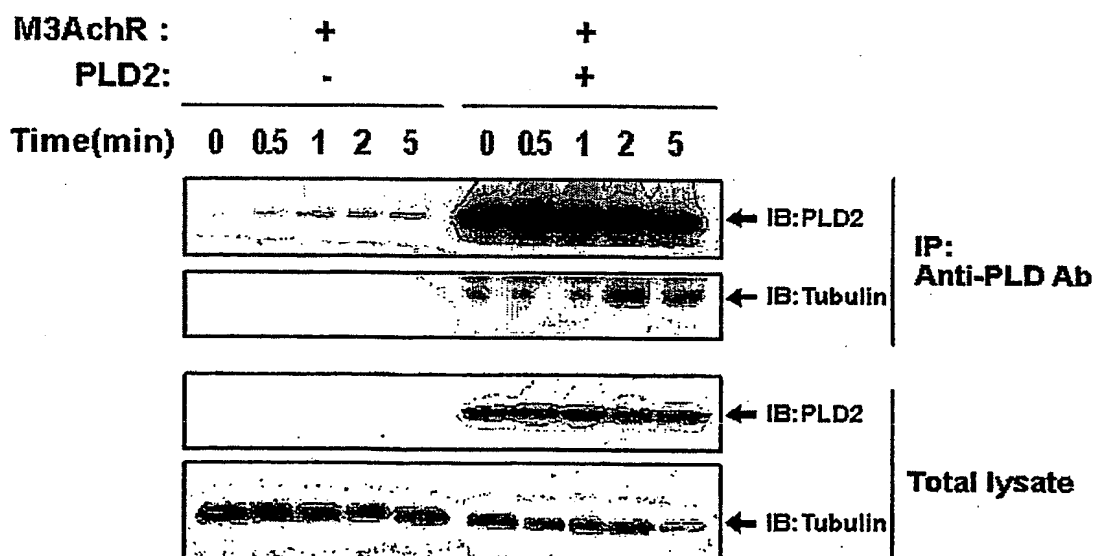
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FIG. 19



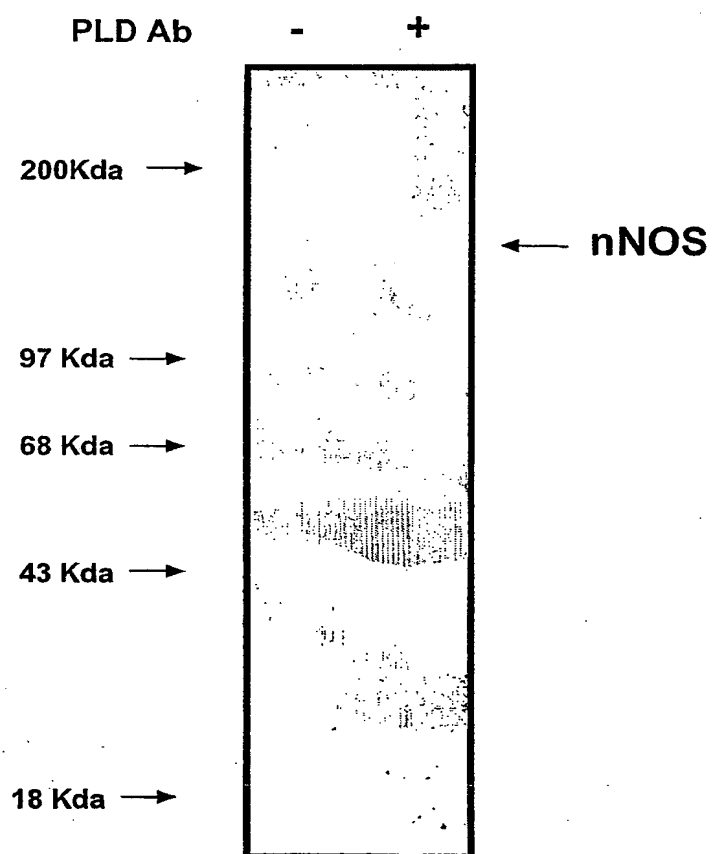
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FIG. 20

**A****B**

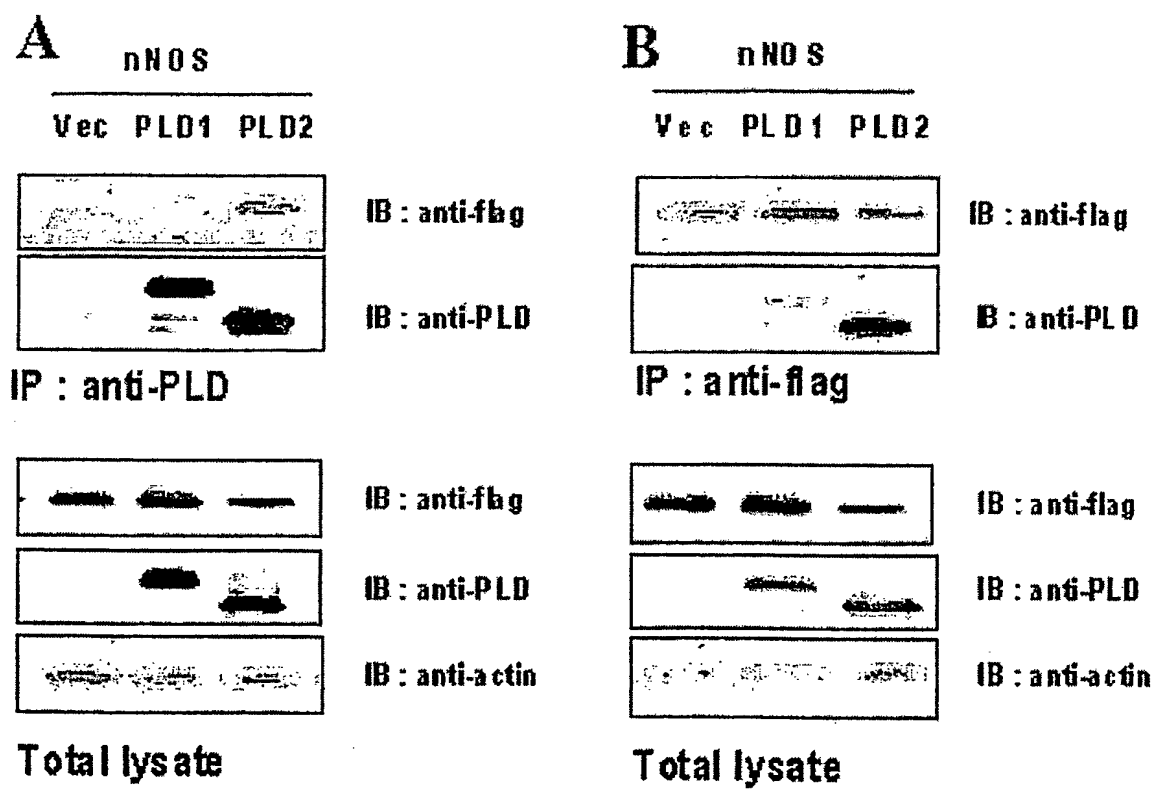
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FIG. 21



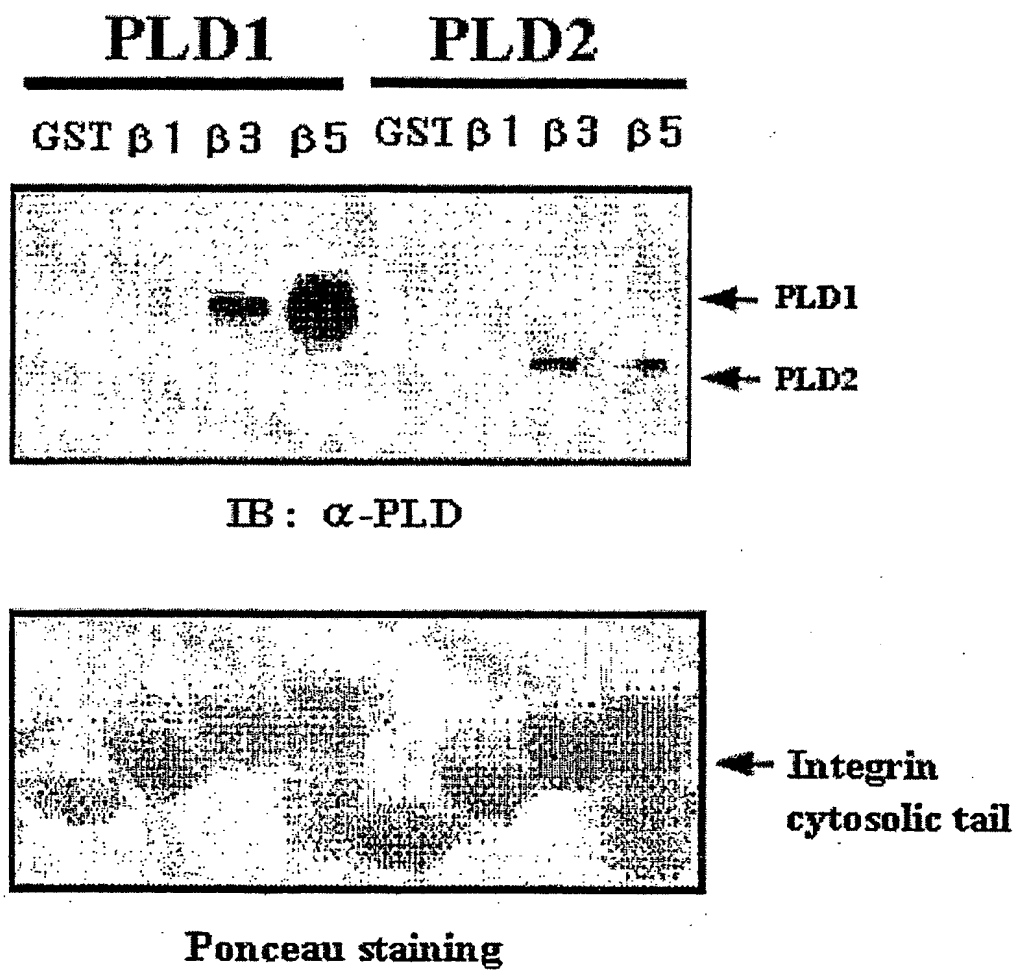
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FIG. 22



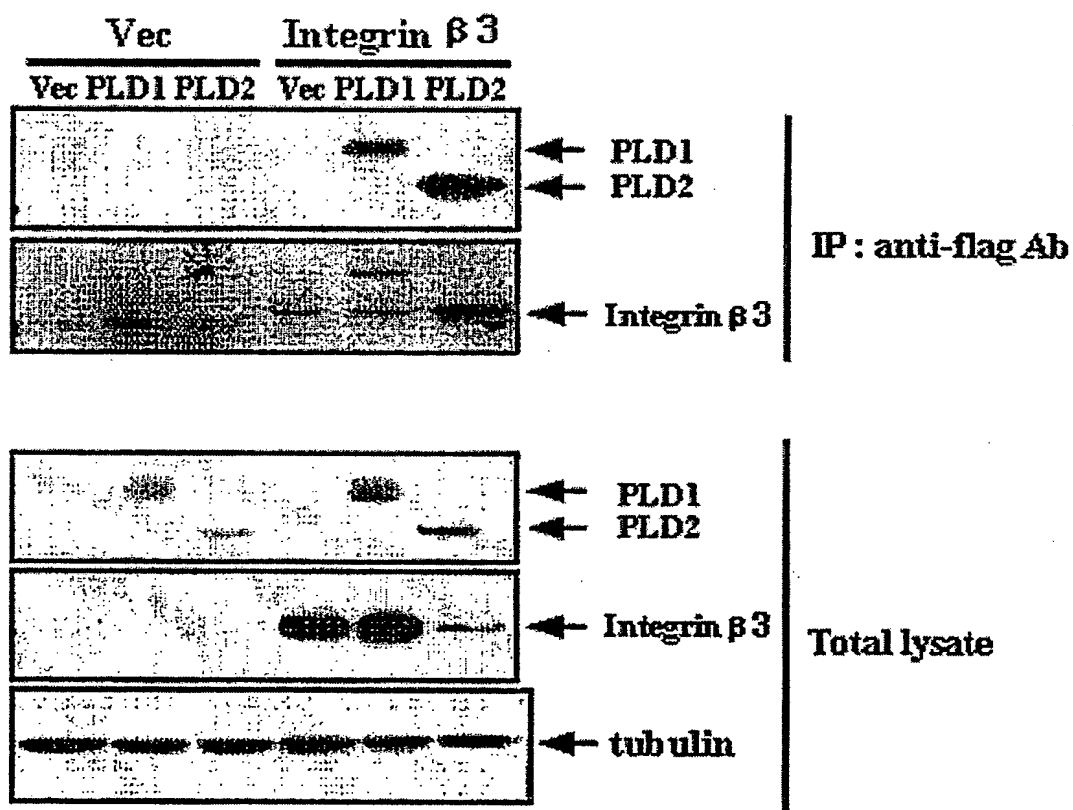
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FIG. 23



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FIG. 24

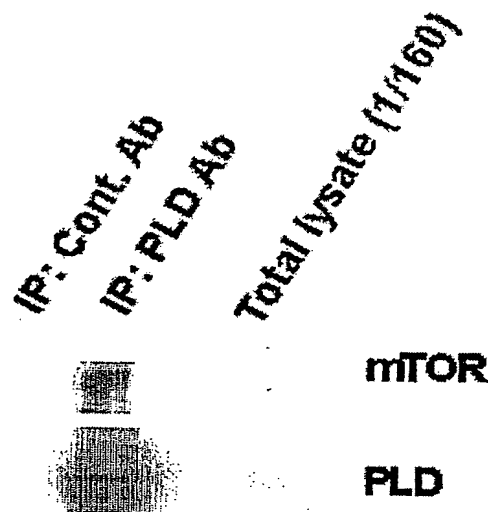




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FIG. 25

**A**



**B**

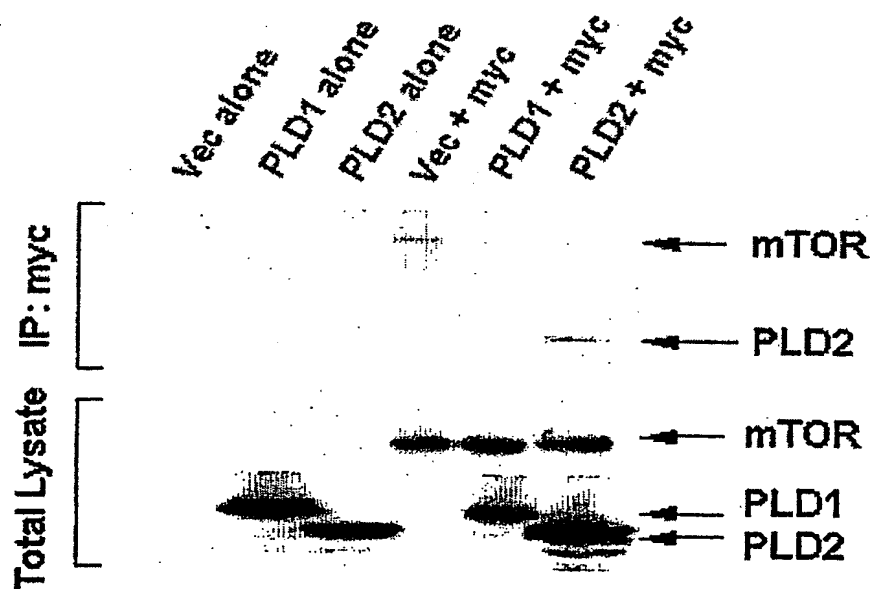


FIG. 26A

```
PLD1      -BCPIKAQVLEVERFTSTTRVPSINLYTIELTH-GEFKWQVKRKFKHFQE FHRELLKYKA
p47phox   -----IALLGFEKAFYVPSQHVVVMFLWKWOD-----LSEKVYVRAFTEI VEFHKTLKEMFP
cisk       -----VSIPSSDEHREKKKRAFTVYVKLVSYG-----ASCWFVFRAYACVDKLYNTLKKQFP
snx1       --LTVGITDPEKIGDGMNAYVAVKYTTQTSLPLFRSKQFAVKRRFSDFGLGYEKISEKHS
fish       -VQDATYVDVEKRAPSPKHVVVI INVTWSD-----STSQT I YRAYSKFDOLQNQLLDKFP
p40        ---ANIADIEEKGFTSHFYVFI EYKTGK-----GSKYL I YRAYAQFHALQSKLEERFG
van7       MAANSYGKMSEKLRI KYDDVKINPKYVLGVGS-----TPNKALYKRYSEFWK LKTALERDVG
           ;               : : : . . : *

PLD1      FIRIPIPTFRHTFRQNVYREEPRENP SLPRSSENMIRE---EQFLGRKQLEDYLT KILKM
p47phox   IEAG-AIN-----PENRI I PHLPAPKWFDGQR-----AABIRQSTLT EYCSTLMNL
cisk       -----AMALK-I PAKRI FGDNFDPDFIKQRPAGLNEFI QNLVRY
snx1       QNGFIVPPP-----FEKSII GMTKYKYGKEOSSSAEFLEKRAAALERYLQRIYNH
fish       IEGG-QKD-----PKQRI I PFLPGKILFRASHI ADVAVKRLKPIDEVCALYRL
p40        -PDS-KSS-----ALACTLPTLPAKYVGVYKQ-EIAEHRI PALNAYMKLSLSL
van7       STI-PYD-----FPEKPGYLDRAWQARYDCPEMI DERRIGLERFLNELYND
           +             : : : :
```

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FIG. 26B

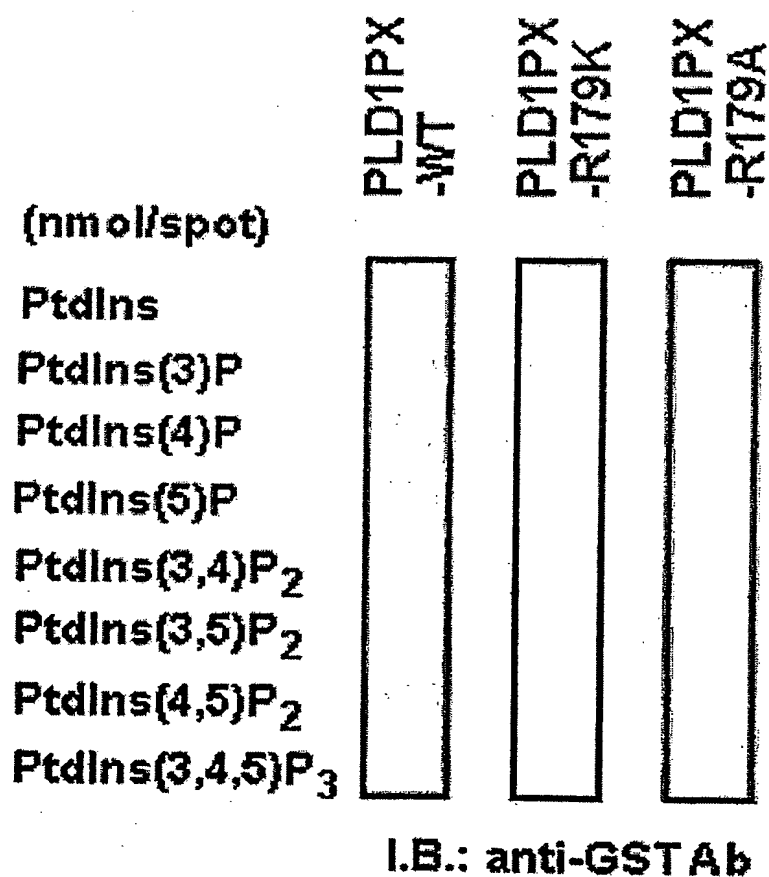
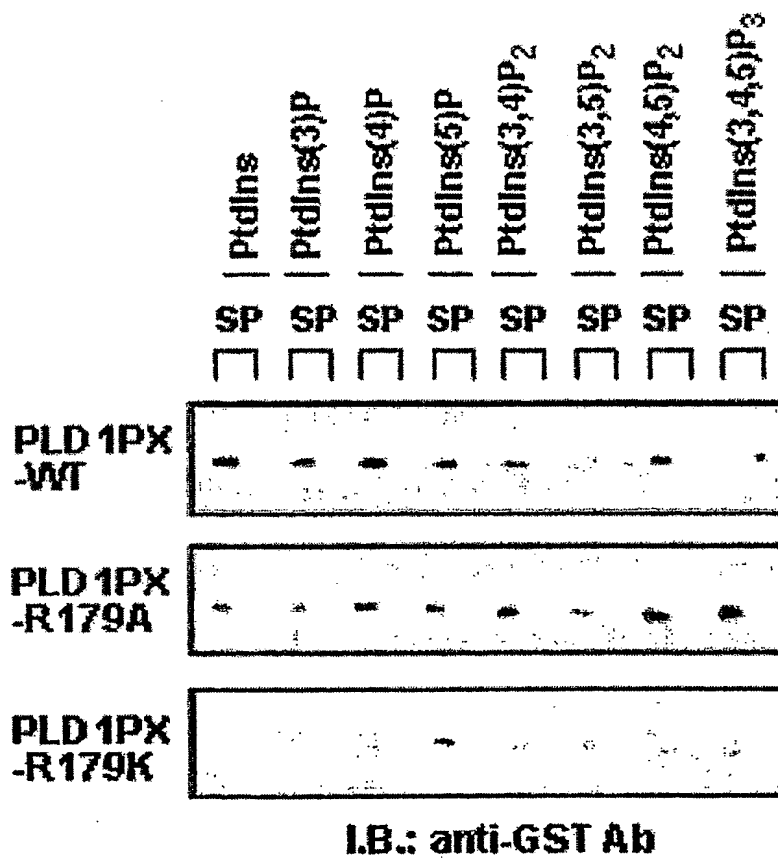


FIG. 26C



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